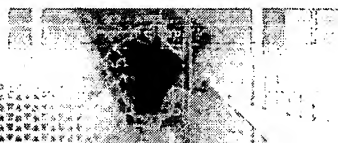


IP SERVICES


[Home](#) [IP Services](#) [PatentScope](#) [Patent Search](#)

## Results of searching in PCT for:

( case or casing or housing ) near ( openings or slots or slotted or dumbbell or recesses or apertures ) and ( piezoelectric near actuator ) : 21 records

Showing records 1 to 21 of 21 :

[\[Search Summary\]](#)

Refine Search

(case or casing or housing) near (openings or slots or s



- | Title  | Pub. Date  | Int. Class  | Applicant                             |
|--|------------|-------------|---------------------------------------|
| 1. <a href="#">(WO 2006/079537) OPTICAL ASSEMBLY</a>   | 03.08.2006 | G02B 7/00   | CARL ZEISS SMT AG                     |
| Optical assembly supported in an arrangement, especially in an objective (1, 8) or in an illuminating or exposure system, in the interior of a <b>housing</b> comprising at least one optical element, especially a lens (34, 35), a mirror, or an aperture (9), wherein the at least one element is influenceable by at least one manipulator and wherein (i) the at least one manipulator (10, 22, 25) is arranged either outside of the <b>housing</b> or in a holding means that is separated entirely or to a large extent by the help of a decoupling means, and that there is provided an effective coupling between the manipulator (10, 22, 25) and the element to be influenced by the manipulator (10, 22, 25) in the interior of the arrangement, (ii) the manipulator comprises...  |            |             |                                       |
| 2. <a href="#">(WO 2006/077527) ELECTRONICALLY CONTROLLED CAPSULE FOR RELEASING RADIATION</a>  | 27.07.2006 | A61N 5/10   | KONINKLIJKE PHILIPS ELECTRONICS, N.V. |
| A method and system (2100) are provided for dispensing radiation to a patient from a location internal to the patient. The system (2100) includes a radioactive assembly (2106) having a radioactive material (2107); a first radiation resistant assembly (2102) having at least one first radiation resistant panel (2116), wherein at least one gap (2122) is formed in the first radiation resistant assembly (2102) for allowing radiation to pass there through to the ambient environment of the capsule; an <b>actuator</b> ; and a second radiation resistant assembly (2104) having at least one movable second radiation resistant panel (2136) operationally coupled to the <b>actuator</b> for controllably moving the second radiation resistant assembly (2104) for positionin... |            |             |                                       |
| 3. <a href="#">(WO 2006/076302) SYSTEM AND METHOD FOR CREATING A SURFACE PATTERN</a>   | 20.07.2006 | H01L 21/302 | BIOFORCE NANOSCIENCES                 |
| Some embodiments of the disclosed surface patterning systems and methods utilize a surface patterning tool coupled to a support and adapted to deposit material onto a substrate, a controller, and first, second, and third actuators electrically coupled to and controlled by the controller. In some embodiments, the first, second, and third actuators are operable to move the substrate in X, Y, and Z directions, respectively, with respect to the surface patterning tool, wherein the substrate is movable by the first, second, and third actuators to different positions with respect to the surface patterning tool, and wherein material is transferable from the surface patterning tool to the substrate in each of the different positions to define the d...                |            |             |                                       |
| 4. <a href="#">(WO 2006/059098) SUSPENSION SYSTEM</a>  | 08.06.2006 | F16F 3/02   | 1... LIMITED                          |
| A suspension system suspends an object allowing movement of the object along a movement axis. The suspension system comprises two resilient members each suspending the object from a central point. The resilient members are integrally formed and are curved around the object as viewed from a direction along the movement axis. A support structure holds the resilient members in a flexed state with the portions of the resilient members on each side of their central points having opposite curvature as viewed from a direction perpendicular to the movement axis.   |            |             |                                       |
| 5. <a href="#">(WO 2006/034141) FLUID HANDLING IN DROPLET DEPOSITION SYSTEMS</a>   | 30.03.2006 | B41J 2/01   | FUJIFILM DIMATIX, INC.                |
| In general, in a first aspect, the invention features a droplet deposition system (100), including a jetting assembly (112) comprising one or more modules (105-108) capable of ejecting droplets (111), a plurality of conduits (145-148, 155-158) in fluid communication with the jetting assembly (112), and a valve (101) coupled to the conduits (145-148, 155-158) and adjustable between a first state in which fluid flow through the conduits (145-148, 155-158) is substantially   |            |             |                                       |

**RESULT LIST**

5 results found in the Worldwide database for:

**cas\* and aperture\* and piezoelectric and actuator** in the title or abstract

(Results are sorted by date of upload in database)

- 1 Comb teeth type piezoelectric actuator and method for manufacturing the same**  
Inventor: TAKEUCHI YUKIHISA (JP); TSUJI HIROYUKI (JP); (+2)      Applicant: NGK INSULATORS LTD (JP)  
EC: B41J2/14D3; B41J2/16D3; (+4)      IPC: **B41J2/14; B41J2/16; H01L41/083** (+6)  
Publication info: **US2004104642** - 2004-06-03
- 2 CASE SEALED TYPE LAMINATED PIEZOELECTRIC ACTUATOR AND MANUFACTURE THEREOF**  
Inventor: SATO HIROFUMI; OGURA SHIGEMI      Applicant: TOKIN CERAMICS CORP  
EC:      IPC: **H01L41/083; H01L41/22; H01L41/083** (+3)  
Publication info: **JP2001036157** - 2001-02-09
- 3 Laminated piezoelectric actuator.**  
Inventor: YAMASHITA OSAMU (JP)      Applicant: NIPPON ELECTRIC CO (JP)  
EC: H01L41/053; H01L41/083      IPC: **H01L41/053; H01L41/083; H01L41/00** (+2)  
Publication info: **EP0485995** - 1992-05-20
- 4 PIEZOELECTRIC ACTUATOR AND ITS MANUFACTURE**  
Inventor: MIYOSHI TAKAYUKI      Applicant: NIPPON ELECTRIC CO  
EC:      IPC: **H01L41/083; H01L41/09; H01L41/083** (+2)  
Publication info: **JP3087078** - 1991-04-11
- 5 SMOKERS' LIGHTER**  
Inventor: LOWENTHAL HANS      Applicant: COLIBRI LIGHTERS  
EC: F23Q2/28C2      IPC: **F23Q2/40; F23Q2/28; F23Q2/00** (+3)  
Publication info: **CA1147156** - 1983-05-31

---

Data supplied from the esp@cenet database - Worldwide

**RESULT LIST**

3 results found in the Worldwide database for:

**piezoelectric and actuator and apertures and housing** in the title or abstract

(Results are sorted by date of upload in database)

- 1 Device for the electrical connection of contact pins to connecting pins of a plug-in connector formed from the device**  
Inventor: SANFTLEBEN EMANUEL (DE); UNRUH MARCUS (DE)      Applicant: SIEMENS AG (DE)  
EC: F02M51/00C; F02M51/06A      IPC: **F02M51/00; F02M51/06; F02M51/00** (+1)  
Publication info: **EP1655478** - 2006-05-10
- 2 Actuator assembly**  
Inventor: ANWAR SOHEL (US); PAVLOV KEVIN J (US); (+1)      Applicant: VISTEON GLOBAL TECH INC (US)  
EC: B60T8/36F6; B60T8/36F10; (+2)      IPC: **B60T17/04; B60T8/36; B60T13/68** (+16)  
Publication info: **GB2369874** - 2002-06-12
- 3 Internal-combustion type of gas lighter**  
Inventor: MARUYAMA SUSUMU (JP)      Applicant: WINDMILL KABUSHIKI KAISHA (JP)  
EC: F23Q2/28C2      IPC: **F23Q2/167; F23Q2/28; F23Q2/00** (+1)  
Publication info: **US6015286** - 2000-01-18

---

Data supplied from the **esp@cenet** database - Worldwide



Canadian Intellectual  
Property Office

Office de la propriété  
intellectuelle du Canada

Canada

Français  
Strategis

Contact Us  
Site Map

Help  
What's New

Search  
About Us

Canada Site  
Registration

strategis.gc.ca



[CIPO Home](#)

[Patents Main Page](#)

**PATENTS  
DATABASE**

[Search Options](#)

[Basic](#)

[Number](#)

[Boolean](#)

[Advanced](#)

[Help](#)

[Content](#)

[Searching](#)

[Search Language](#)

[FAQ](#)

[Disclaimer](#)

[Foreign Patent Links](#)

[Decisions of the  
Commissioner of  
Patents](#)

[Trade-marks  
Database](#)

[Copyrights Database](#)

[Industrial Designs  
Database](#)

## Canadian Patents Database

### Search Results 03/12/2007 - 13:03:34

Query :  
(((housing or cas\*)) <AND> ( ( (piezoelectric and actuator and  
seam\*) ) <in> claims )

Query: (((housing or cas\*)) <AND> ( ( (piezoelectric and actuator and  
seam\*) ) <in> claims )

**Sorry, no patents were found matching your  
query**

Please modify your query and try again. [Example queries](#) and [search  
language help](#) are available.

[Important Notices](#)

# Searching PAJ

[MENU](#)[NEWS](#)[HELP](#)

Search Results : 98

[Index Indication](#)[Clear](#)**Text Search**

If you want to conduct a Number Search, please click on  
the button to the right.

[Number Search](#)**Applicant, Title of invention, Abstract** --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a **SPACE** between keywords.

One letter word or Stopwords are not searchable.

[OR](#)

AND

[OR](#)

AND

[AND](#)

AND

**Date of publication of application** --- e.g. 19980401 - 19980405 - 

AND

**IPC** --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a **SPACE** between keywords.

[Search](#)[Stored data](#)

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	26063 1	(casing or case or housing) adj2 (slot\$4 or dumbbell or opening\$1 or hole\$1 or recess\$3)	US- PGPUB ; USPAT ; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/03/1 2 10:58	
2	BRS	L3	371	(casing or case or housing) adj2 (slot\$4 or dumbbell or opening\$1 or hole\$1 or recess\$3) and piezoelectric adj2 actuator	US- PGPUB ; USPAT ; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/03/1 2 11:17	
3	BRS	L4	0	(casing or case or housing) adj2 dumbell and piezoelectric	US- PGPUB ; USPAT ; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/03/1 2 11:17	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
4	BRS	L5	2	(casing or case or housing) adj2 dumbbell and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/03/12 11:17	
5	IS&R	L6	3436	(310/325,328,338,340,345,346,348).CCLS.	USPAT	2007/03/12 11:42	
6	IS&R	L7	10	((("4174799") or ("5166908") or ("5410207") or ("5557974") or ("5675886") or ("6135234") or ("6265810") or ("6274967") or ("6494288") or ("6499471")).PN.	USPAT	2007/03/12 11:43	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L9	145	boecking-friedrich.in.	USPAT	2007/03/12 12:12	